

Pain Free Without Surgery

YOUR GUIDE TO REGENERATIVE MEDICINE



 **StemCell**
International
The World Leader in Regenerative Medicine

UNDERSTANDING REGENERATIVE MEDICINE

WHAT ARE STEM CELLS?

Stem cells are special cells found in the human body from birth. These specialized cells are powerhouses that contain regenerative properties that can aid in the repair of muscle, tendons, cartilage, bone and more.

Remember how quickly you would heal when you were younger and had an injury like a sprained ankle or cut? That's because your body would recruit your plentiful stem cells to come and reduce the swelling and repair the damage. As you've gotten older and sustained an injury, you may have noticed it takes significantly longer to heal. That's because as we get older our bodies produce drastically less stem cells. However, with scientific advances we now have more options for stem cell therapy.

Potential healing properties of stem cells include, but are not limited to:

- regenerating nerves
- regrowing cartilage
- repairing partial and full thickness tears
- reducing inflammation

Stem Cell Therapy

Stem cell therapy is the process of injecting regenerative cells back into the body to initiate the process of healing and regeneration. These treatments, particularly **adipose (fat) tissue** and **bone marrow-derived stem cell treatments** have given us new solutions for chronic illness and pain.

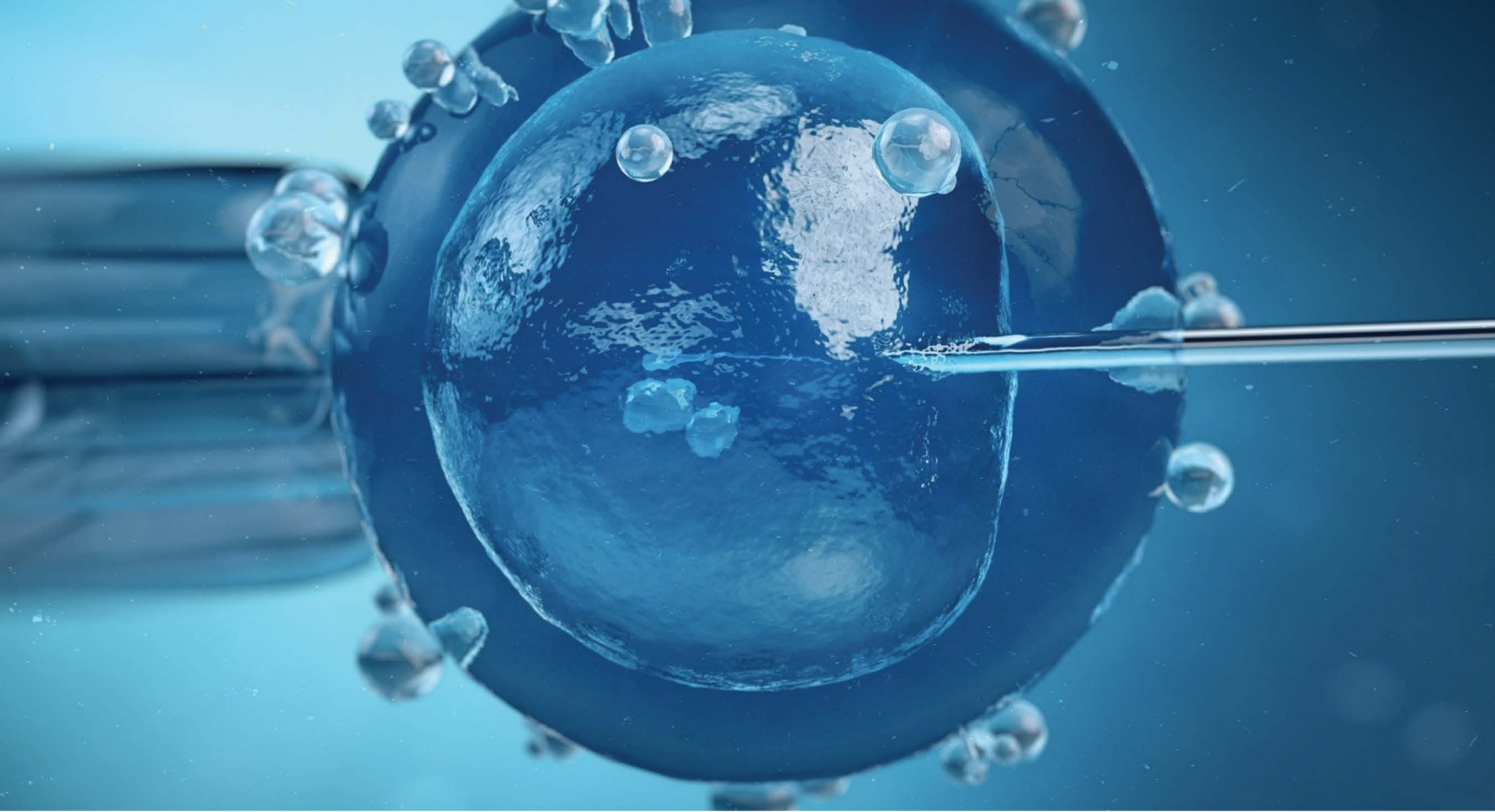
This type of regenerative medicine means that people suffering from chronic conditions and pain have a new option for treatment that doesn't involve surgery or medication. These treatments are an extraordinary option for those looking for alternative or natural treatments, and a second hope for those who have tried other treatments with little or no success.

Stem Cell International performs six different types of regenerative treatments because we know from experience that cell therapy is not a one size fits all treatment. Doctors have been using these treatments for years to save and improve lives, and now they are available to you.

There are multiple factors to consider when choosing the best treatment plan for your condition. We will review your medical records and imaging and do additional testing to determine which treatment is best for you.

SIX TYPES OF REGENERATIVE THERAPIES

- 1 Bone Marrow-Derived Stem Cell Therapy**
- 2 Adipose-Derived Stem Cell Therapy**
- 3 Platelet-Rich Plasma (PRP) Therapy**
- 4 Amniotic Cell Therapy**
- 5 Exosomes**
- 6 Live Cord Tissue/Blood-Derived Stem Cells**



BONE MARROW-DERIVED STEM CELL THERAPY

The process of bone marrow-derived stem cell therapy is relatively simple and requires only a local anesthetic. Bone marrow is extracted from the back of the patient's pelvis or hip bone. The sample is then transferred to a centrifuge that isolates the platelets and stem cells. The concentration of stem cells and healing components are reintroduced to the injured or damaged area via an injection under ultrasound guidance.

These platelets release growth factors that tell the regenerative cells what to become, thereby initiating the regenerative response. The entire process takes approximately 2 hours and patients go home the same day. Of all of our treatments, this is the most invasive procedure and patients may feel discomfort for 1-3 days.

ADIPOSE-DERIVED STEM CELL THERAPY

Like bone marrow, adipose tissue (fat) stores a large number of your body's stem cells. **Adipose stem cell extraction is a much simpler, and less invasive procedure than bone marrow stem cell extraction and yields a much higher stem cell count.** These cells have a high potential for self-renewal, are highly adaptive, and have a broad tissue distribution.

Adipose-derived stem cells come from fat tissue from your own body and are extracted through a minimally-invasive mini-liposuction procedure. Your fat cells are then separated from your stem cells in a lab and injected back into the body. The entire process is straightforward and takes about 2-3 hours to complete.

PLATELET-RICH PLASMA (PRP) THERAPY

Platelet-Rich Plasma Therapy is a regenerative therapy where plasma is extracted from the body through a simple routine blood draw. **PRP does not contain stem cells, but is rich in cytokines and growth factors that facilitate the healing process and supports immune functions.**

PRP is a phenomenal therapy for healing tears and inflammation. This treatment has extremely high success rates in treating meniscus tears and rotator cuff tears.

This minimally invasive and highly effective treatment can be completed in about 2 hours and is the most moderately priced.

EXOSOMES

Exosomes are secreted by stem cells. The interesting thing about exosomes is that they carry mRNA. These are instruction templates to make proteins. You can think of them as protein factories. Proteins are the basic building blocks of life.

Exosomes can regenerate tissue in a specific site and treat systemic conditions. They contain potent and effective anti-inflammatory proteins and growth factors, and since they're young cells, they perform more efficiently than bone marrow or adipose tissue stem cells.

AMNIOTIC CELL THERAPY

Cells for amniotic cell therapy are derived from amniotic fluid obtained after cesarean sections by healthy birthing mothers. FDA regulated labs take this tissue and process it for cells for the treatment abiding by strict regulations and guidelines.

Amniotic cells are responsible for growing a baby, so naturally, they are extremely rich in growth factors, making this treatment perfect for older patients who have a lower chance of harvesting an effective amount of stem cells through bone marrow or adipose extraction and has a high success rate with joint healing and inflammation.

LIVE CORD TISSUE/BLOOD- DERIVED STEM CELLS

Live cord tissue and live cord blood are taken from donated umbilical cord tissue. Like amniotic fluid, it's donated from mothers who have cesarean sections

Patients opting for this form of treatment get the benefits of both stem cell regenerative properties and growth factors in one procedure. When considering other treatment methods for joint conditions like knee replacements, these treatments are a far safer and cost-effective option for patients.

TREATABLE CONDITIONS



MUSCULOSKELETAL

- Osteoarthritis
- Torn ligaments/cartilage
- Carpal Tunnel Syndrome
- Knee pain
- Hip pain
- Neck and shoulder pain
- Ankle and foot pain
- Back pain

AUTOIMMUNE

- Alopecia
- Diabetes Type 1 & 2
- Systemic Lupus
- Crohn's Disease
- Ulcerative colitis
- Rheumatoid arthritis
- Myasthenia
- Autoimmune Cytopenia
- Scleromyxedema
- Scleroderma
- Behcet's Disease
- Vitiligo

NEURODEGENERATIVE

- Parkinson's Disease
- Spinal cord injury
- Stroke damage
- Traumatic brain injury
- Multiple Sclerosis

CARDIOLOGY & PULMONARY

- Myocardial infarction
- Heart failure
- COPD
- Asthma
- Acute heart disease

ANTI-AGING & WELLNESS

- Chronic fatigue
- Migraines
- Sexual dysfunction
- Incontinence
- Fibromyalgia

A young Black woman with long dark hair, smiling, stands next to a soccer goal on a grassy field. She is wearing a dark blue t-shirt and shorts, and is holding a blue and white soccer ball. The background shows a blurred parking lot with cars.

ZOË

ULCERATIVE COLITIS

Zoë struggled with ulcerative colitis for years. She was unable to maintain a healthy weight or keep up with her soccer career.

After dozens of unsuccessful treatments and numerous medications, her mother, a Medical Doctor in Toronto, reached out to Stem Cell International for help.

After a single stem cell treatment, Zoë was able to regain the weight she had lost and get back to doing what she loves.

An older man with grey hair and a mustache is playing an acoustic guitar. He is wearing a dark blue t-shirt and is looking down at the guitar. The background is a blurred indoor setting with a window and some furniture.

JOHN

CARPAL TUNNEL AND ARTHRITIS

After over 50 years of working as a barber and playing music, John's pain was unbearable. When surgeons couldn't guarantee that he would have full function of his hand after surgery, John turned to Stem Cell International.

Within hours of his first treatment he felt relief, and he is now pain-free and back to doing what he loves just a few months later.

To view video testimonials visit www.stemcellinternational.org.

All testimonials for Stem Cell International are done by real patients who have received successful treatments at our facility. All testimonials are unscripted and patients are never compensated for sharing their stories.

THE STEM CELL INTERNATIONAL DIFFERENCE

STEM CELL INTERNATIONAL

- ✓ Everything is included in your cost—no hidden fees
- ✓ 12 months of post-procedural follow-ups with your doctor
- ✓ Procedures are performed under ultrasound guidance
- ✓ Local anesthesia
- ✓ Little to no downtime—varies by case
- ✓ Increased range of motion and decreased pain
- ✓ 1-day **outpatient** procedure

OTHER CLINICS/SURGERY

- ✗ Possible hidden fees and copays
- ✗ No free follow-ups
- ✗ No ultrasound guidance
- ✗ General anesthesia (possible complications)
- ✗ Possible downtime and the need for rehab
- ✗ Potential loss in range of motion
- ✗ Possible (extended) hospital stays



THE COST OF TREATMENT

Average cost of joint replacement surgery



\$31,124*

Average cost of single joint therapy at other local clinics



\$7,850

Cost of single joint therapy at Stem Cell International



\$5,750

We are always transparent with our patients about costs. You will never be surprised by a bill or hidden fees. We are more interested in improving our patients' lives than making an extra profit. However, in order to provide you with the safest and most effective care, we do have to factor in everything it takes to maintain and operate our facility. A few of these factors include:

EXPERIENCED MEDICAL TEAM



- Physicians
- Physicians Assistant
- Nurse practitioners
- Nurses
- Office staff
- Continued Education



PATIENT CARE

- Consultation
- Imaging processing/analysis
- Pre-procedural care
- Patient correspondence
- 12 months post-procedural followups

ADVANCED MEDICAL EQUIPMENT



- Regenerative medicine
- X-rays & ultrasounds
- Centrifuge/quipment
- Equipment
- Local anesthetic
- Medical supplies and instruments



OPERATIONAL COSTS

- Facility rent & utilities
- Research and development
- Public Relations
- Insurance & taxes
- Medical waste disposal
- Informational materials/literature

FINANCING

On top of cost-effective treatments, Stem Cell International makes financing simple so that you can focus on feeling better instead of worrying about the cost of care.

With out-of-pocket health care costs and insurance premiums skyrocketing, many people are turning to credit cards designated for medical expenses like CareCredit to cover high deductibles, co-pays, co-insurance, and to pay for treatments and procedures not covered by insurance, like stem cell treatments. With CareCredit, you can get the care you need now with the option to pay monthly over time.

You can apply online at www.carecredit.com, or contact us directly at (419) 214-1860 and we will guide you step-by-step through the free application process.

The following is an example of payment plans available through CareCredit.



No interest if paid in full within 6 or 12 month promotional period.*

Interest will be charged to your account from the purchase date if the promotional purchase is not paid in full within the promotional period.

Optional Equal Monthly
Payment Amount

Amount Financed

6 Month

\$950 / mo

\$5,700

12 Month

\$475 / mo

\$5,700

Fixed Monthly Payment Options*

These are estimated monthly payments and interest rates may vary. You may call us directly for interest rates and details.

Estimated Monthly Payments

24 Month

\$277 / mo

36 Month

\$201 / mo

48 Month

\$165 / mo

60 Month

\$145 / mo

FREQUENTLY ASKED QUESTIONS

How long is the recovery time?

There is no significant recovery time required for stem cell therapy. The procedure is non-surgical, completed in the clinic, and most patients return to a lighter version of their regular duties the next day. There may be some mild soreness for up to a week after the injection. Heavy exertion should be avoided during this period. Our medical staff will guide you through the entire process.

How long does it take to see results?

Stem cells have high natural growth factors that promote healing. These growth factors also naturally decrease inflammation. Most patients see improvements within 3 weeks, while others may take 6-8 weeks. Once you feel improvement, you will notice continued improvement expanding over 6 months or longer depending on your condition. The severity as well as your overall physical condition will affect the speed at which the body heals itself.

How many treatments will I need?

The amount of treatments needed is specific to an individual. Many people find one treatment is all that is necessary if their condition is not overly advanced. Since stem cell therapy treats such a wide variety of conditions, diseases and areas of the body, the amount of treatments needed largely depends on personal variables.

Often patients who see benefits from the first round of stem cell therapy choose to have more to see that improvement increase. Other times patients have one procedure and their life improves so substantially that they choose to have additional treatments to other areas of the body. During the initial consultation, we will discuss a plan for treatment after review of your health history.

“The regenerative medicine revolution is upon us. Like iron and steel to the industrial revolution, like the microchip to the tech revolution, stem cells will be the driving force of this next revolution.”

CADE HILDRETH, BS, MS